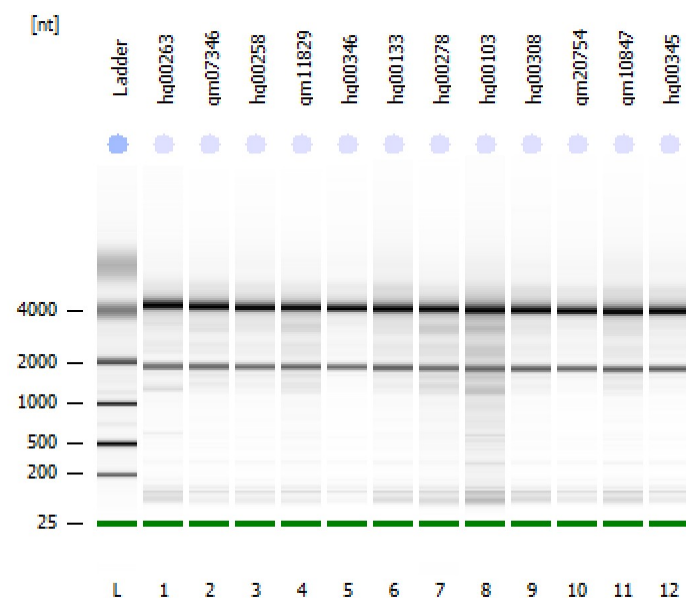


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-11\_09-15-16.xad

Created: 10/11/2011 9:15:16 AM  
Modified: 10/11/2011 9:38:20 AM

**Electrophoresis File Run Summary**Instrument Information:

Instrument Name: DE04105537  
Serial#: DE04105537

Firmware: C.01.069  
Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

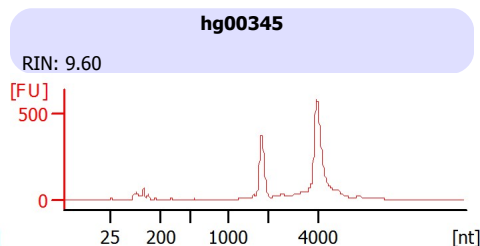
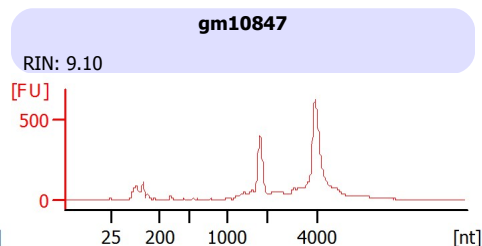
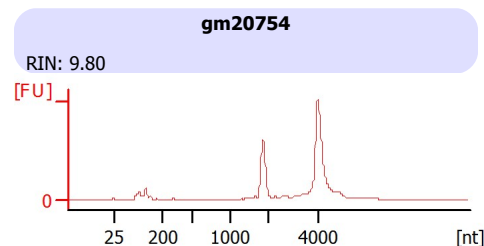
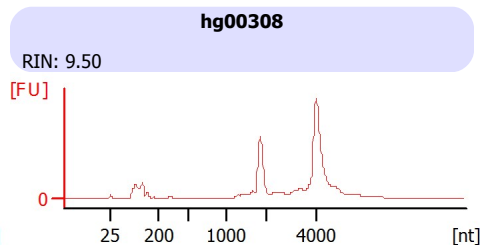
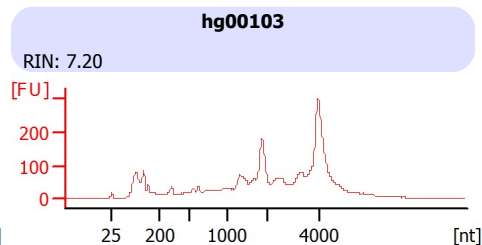
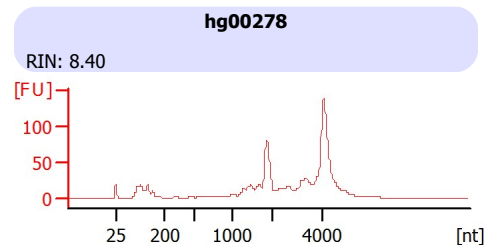
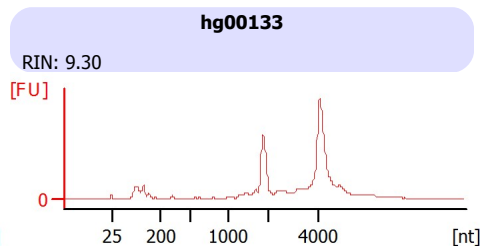
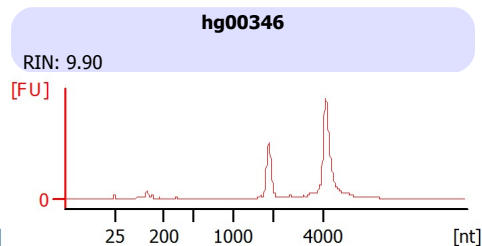
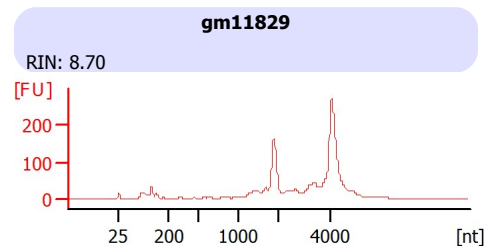
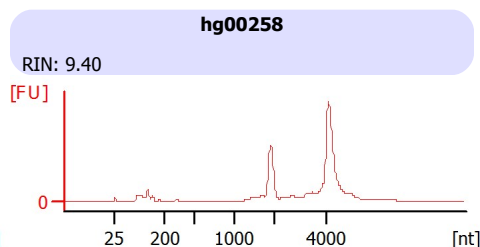
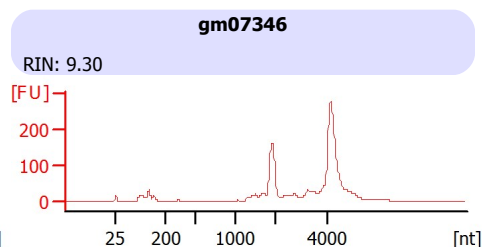
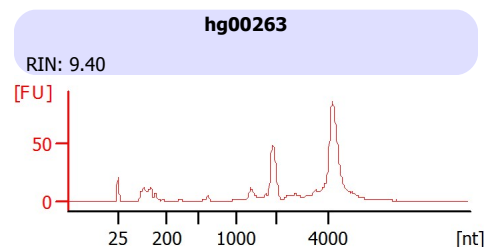
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-11\_09-15-16.xad

Created: 10/11/2011 9:15:16 AM  
Modified: 10/11/2011 9:38:20 AM

**Electrophoresis File Run Summary (Chip Summary)**

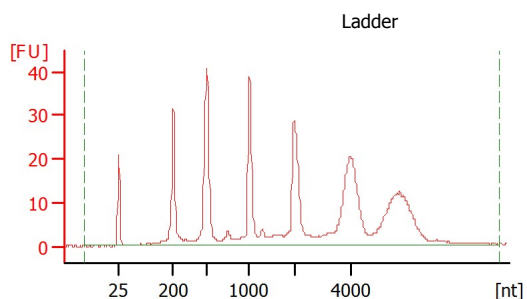
Sample Name	Sample Comment	Status	Result Label	Result Color
hg00263		✓	RIN: 9.40	
gm07346		✓	RIN: 9.30	
hg00258		✓	RIN: 9.40	
gm11829		✓	RIN: 8.70	
hg00346		✓	RIN: 9.90	
hg00133		✓	RIN: 9.30	
hg00278		✓	RIN: 8.40	
hg00103		✓	RIN: 7.20	
hg00308		✓	RIN: 9.50	
gm20754		✓	RIN: 9.80	
gm10847		✓	RIN: 9.10	
hg00345		✓	RIN: 9.60	
Ladder		✓	All Other Samples	

**Chip Lot #****Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-11\_09-15-16.xad

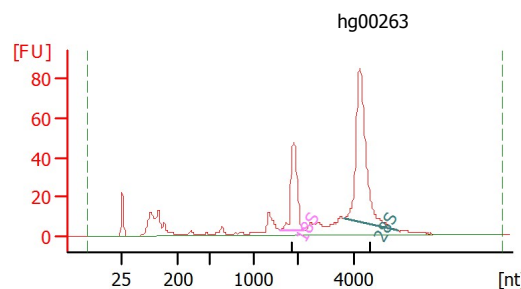
Created: 10/11/2011 9:15:16 AM  
 Modified: 10/11/2011 9:38:20 AM

## Electropherogram Summary



### Overall Results for Ladder

RNA Area: 473.0  
 RNA Concentration: 150 ng/μl  
 Result Flagging Color:    
 Result Flagging Label: All Other Samples

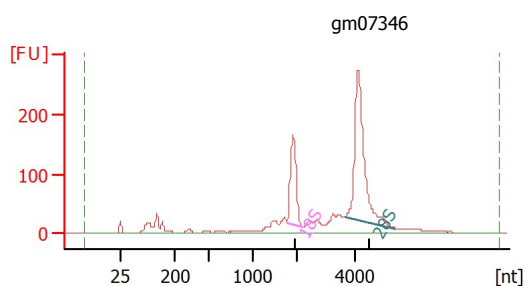


### Overall Results for sample 1 : hg00263

RNA Area: 606.9  
 RNA Concentration: 192 ng/μl  
 rRNA Ratio [28s / 18s]: 2.2  
 RNA Integrity Number (RIN): 9.4 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.40

### Fragment table for sample 1 : hg00263

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,605	2,223	91.7	15.1
28S	3,613	5,490	206.0	33.9

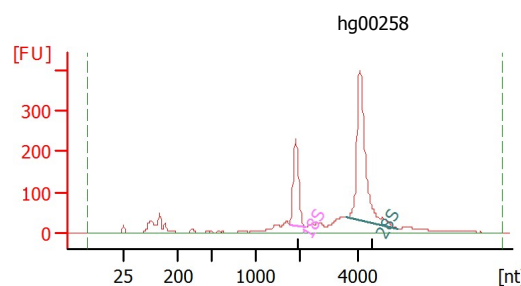


### Overall Results for sample 2 : gm07346

RNA Area: 1,796.3  
 RNA Concentration: 570 ng/μl  
 rRNA Ratio [28s / 18s]: 2.3  
 RNA Integrity Number (RIN): 9.3 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.30

### Fragment table for sample 2 : gm07346

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,761	2,197	267.3	14.9
28S	3,637	5,429	624.9	34.8



### Overall Results for sample 3 : hg00258

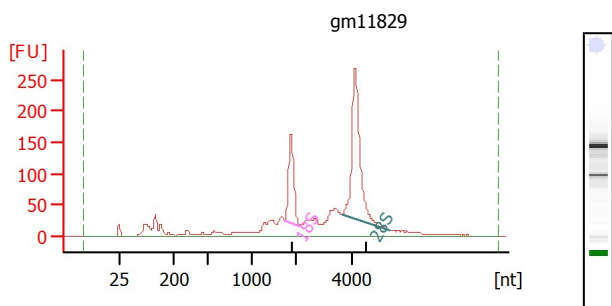
RNA Area: 2,356.6  
 RNA Concentration: 747 ng/μl  
 rRNA Ratio [28s / 18s]: 2.4  
 RNA Integrity Number (RIN): 9.4 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.40

### Fragment table for sample 3 : hg00258

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,751	2,197	354.0	15.0
28S	3,607	5,385	833.1	35.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-11\_09-15-16.xad

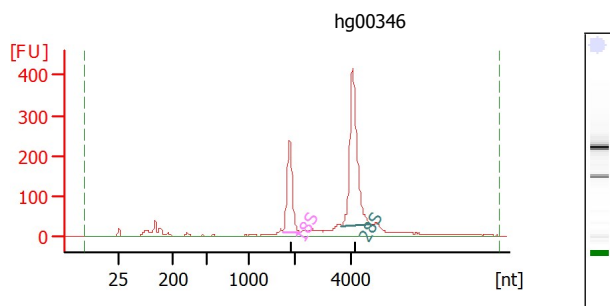
Created: 10/11/2011 9:15:16 AM  
Modified: 10/11/2011 9:38:20 AM

**Electropherogram Summary Continued ...****Overall Results for sample 4 : gm11829**

RNA Area: 1,883.4  
RNA Concentration: 597 ng/μl  
rRNA Ratio [28s / 18s]: 2.3  
RNA Integrity Number (RIN): 8.7 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 8.70

**Fragment table for sample 4 : gm11829**

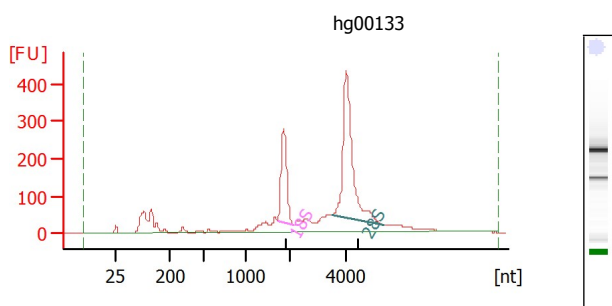
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,759	2,122	231.9	12.3
28S	3,594	5,302	528.8	28.1

**Overall Results for sample 5 : hg00346**

RNA Area: 1,935.0  
RNA Concentration: 614 ng/μl  
rRNA Ratio [28s / 18s]: 2.0  
RNA Integrity Number (RIN): 9.9 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 9.90

**Fragment table for sample 5 : hg00346**

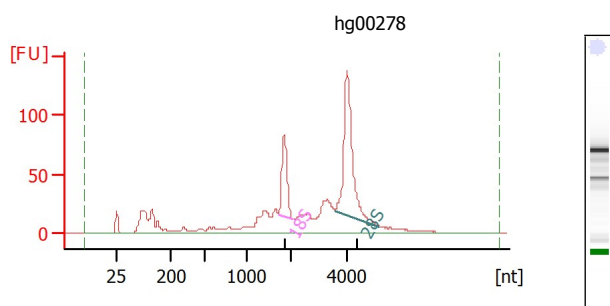
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,754	2,207	380.0	19.6
28S	3,674	4,740	753.5	38.9

**Overall Results for sample 6 : hg00133**

RNA Area: 3,180.7  
RNA Concentration: 1,009 ng/μl  
rRNA Ratio [28s / 18s]: 2.3  
RNA Integrity Number (RIN): 9.3 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 9.30

**Fragment table for sample 6 : hg00133**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,727	2,171	442.4	13.9
28S	3,533	5,345	1,004.9	31.6

**Overall Results for sample 7 : hg00278**

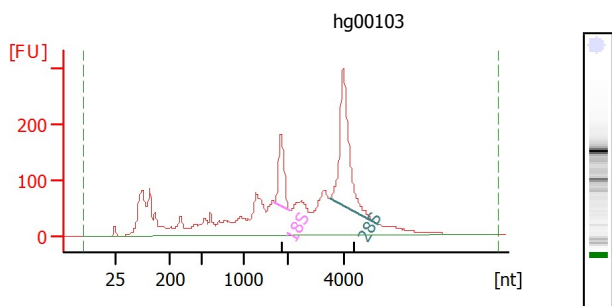
RNA Area: 1,148.9  
RNA Concentration: 364 ng/μl  
rRNA Ratio [28s / 18s]: 2.5  
RNA Integrity Number (RIN): 8.4 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 8.40

**Fragment table for sample 7 : hg00278**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,727	2,096	112.4	9.8
28S	3,578	5,195	277.8	24.2

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-11\_09-15-16.xad

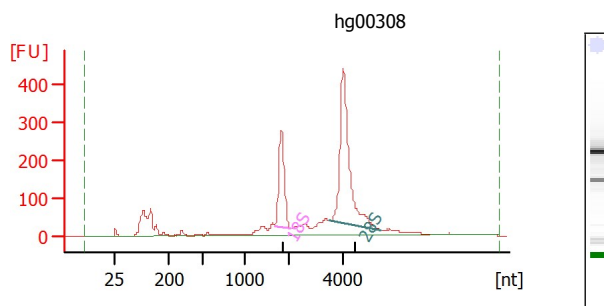
Created: 10/11/2011 9:15:16 AM  
Modified: 10/11/2011 9:38:20 AM

**Electropherogram Summary Continued ...****Overall Results for sample 8 : hg00103**

RNA Area: 3,969.5  
RNA Concentration: 1,259 ng/μl  
rRNA Ratio [28s / 18s]: 2.8  
RNA Integrity Number (RIN): 7.2 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 7.20

**Fragment table for sample 8 : hg00103**

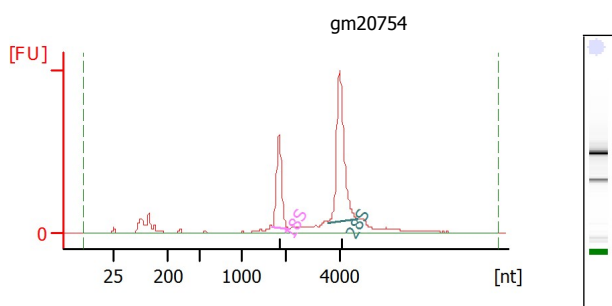
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,705	2,108	229.9	5.8
28S	3,506	5,236	641.5	16.2

**Overall Results for sample 9 : hg00308**

RNA Area: 2,999.5  
RNA Concentration: 951 ng/μl  
rRNA Ratio [28s / 18s]: 2.2  
RNA Integrity Number (RIN): 9.5 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 9.50

**Fragment table for sample 9 : hg00308**

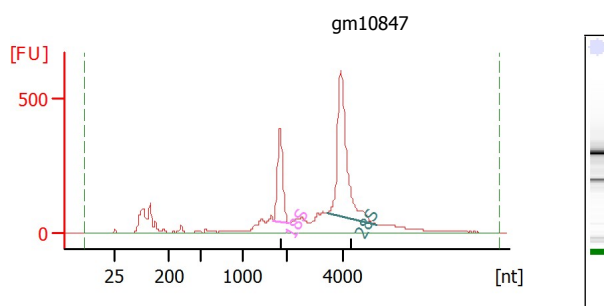
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,712	2,136	455.7	15.2
28S	3,508	5,316	1,017.9	33.9

**Overall Results for sample 10 : gm20754**

RNA Area: 2,660.8  
RNA Concentration: 844 ng/μl  
rRNA Ratio [28s / 18s]: 1.9  
RNA Integrity Number (RIN): 9.8 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 9.80

**Fragment table for sample 10 : gm20754**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,709	2,134	484.3	18.2
28S	3,541	4,631	938.1	35.3

**Overall Results for sample 11 : gm10847**

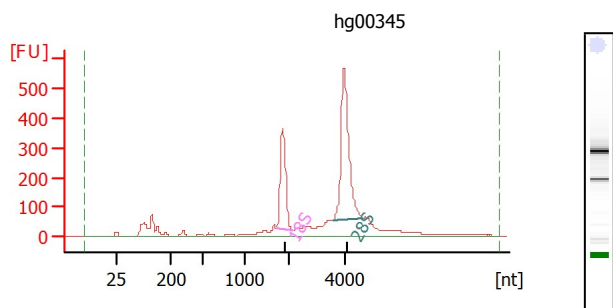
RNA Area: 4,708.1  
RNA Concentration: 1,493 ng/μl  
rRNA Ratio [28s / 18s]: 2.3  
RNA Integrity Number (RIN): 9.1 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 9.10

**Fragment table for sample 11 : gm10847**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,691	2,075	593.0	12.6
28S	3,419	5,231	1,392.8	29.6

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-11\_09-15-16.xad

Created: 10/11/2011 9:15:16 AM  
Modified: 10/11/2011 9:38:20 AM

**Electropherogram Summary Continued ...****Overall Results for sample 12 : hg00345**

RNA Area: 3,410.4  
RNA Concentration: 1,081 ng/μl  
rRNA Ratio [28s / 18s]: 1.9  
RNA Integrity Number (RIN): 9.6 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 9.60

**Fragment table for sample 12 : hg00345**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,706	2,124	594.4	17.4
28S	3,550	4,630	1,105.4	32.4